

Experiment Overview

In order to ascertain whether the Dropsens electrodes would yield a linear current response proportional to NADH concentration and to possibly determine our upper and lower limits of detection, a standard curve was created.

The NADH was dissolved in PB KCl buffer, pH 7.4.

This highly linear NADH standard curve included the following NADH concentrations: 0, 10, 20, 30, ... 150 μ M, 200, 300, 400, 500 μ M NADH. Linear range appeared to begin close to 50 μ M on the lower side, and extended through 500 μ M. 0 μ M to \sim 40 μ M appeared.